

The Open University of Sri Lanka  
 Diploma in Environmental Science Programme - Level 03  
 Final Examination - 2017  
 BYD1207 – Environmental Pollution and Controlling Methods



Date – 13<sup>th</sup> May 2017

Time – 9.30 – 11.30 a.m.

Answer any four(04) questions only

01. a. Define the term “pollutant”?(5 marks)  
 b. Distinguish between a pollutant and a contaminant.(5 marks)  
 c. Explain briefly the major effects of five (05) primary air pollutants on the environment.(15 marks)
02. a. What are the three(03) major anthropogenic sources for water pollution?(3 marks)  
 b. With the help of suitable examples, explain how the above mentioned sources ( in part a) contribute to pollute water (15 Marks)  
 c. What is “eutrophication” and how it occurs in water bodies.(7 marks)
03. a. “Water may be polluted by pathogenic bacteria, viruses and protozoans”. Discuss this statement with the help of examples indicating possible symptoms. (20 marks)  
 b. How do sediments act as a water pollutant?(5 marks)
04. a. What is meant by “land degradation”? (3 marks)  
 b. Explain in detail direct causes for land degradation and their effects. (22 marks) ( limit your answer only for six(06) causes).
05. a. What are the steps involved in the treatment process of water for drinking purposes?(5 marks)  
 b. Explain briefly how you carry out the steps you mentioned above (in part a) and their contributions in treating water. (20 marks)
06. Write short notes on **any two (02)** of the following: (each 12.5 marks)
  - a. Integrated solid waste management
  - b. Wind erosion and its impacts
  - c. Biological indicators of water quality